

# Scale and Balance (Except Laboratory) Manufacturing: 2002

Issued September 2004

EC02-311-333997

## 2002 Economic Census

*Manufacturing*

Industry Series



# USCENSUSBUREAU

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
333997, Scale and balance (except laboratory) manufacturing .....	2002..	105	113	4 297	170 744	2 397	4 696	73 331	372 072	308 748	692 467	15 122
	2001..	N	N	4 319	158 121	2 648	5 371	72 995	375 524	343 891	716 651	6 356
	2000..	N	N	4 613	163 102	2 897	5 879	76 810	413 351	351 655	764 630	10 967
	1999..	N	N	4 896	165 976	3 026	5 991	81 359	411 664	343 866	751 930	20 443
	1998..	N	N	4 849	157 030	2 574	5 014	64 480	377 145	326 334	698 165	29 688
	1997..	110	121	4 856	148 487	2 658	4 752	61 487	329 428	345 957	682 181	10 804

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
333997, Scale and balance (except laboratory) manufacturing												
United States .....	—	113	42	4 297	170 744	2 397	4 696	73 331	372 072	308 748	692 467	15 122
California .....	1	16	5	285	11 547	175	355	5 327	15 256	10 200	25 805	469
Florida .....	2	7	1	156	5 248	63	107	1 340	12 410	6 067	18 475	224
Illinois .....	—	7	2	278	13 937	151	307	6 267	22 693	20 584	53 180	1 189
New York .....	—	3	3	223	11 262	69	142	2 049	25 123	19 868	45 032	59

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>333997, Scale and balance (except laboratory) manufacturing</b>	
Companies <sup>1</sup> .....	number.. 105
All establishments <sup>2</sup> .....	number.. 113
Establishments with 1 to 19 employees .....	number.. 71
Establishments with 20 to 99 employees .....	number.. 30
Establishments with 100 employees or more .....	number.. 12
All employees <sup>3</sup> .....	number.. 4 297
Total compensation .....	\$1,000.. 213 983
Annual payroll .....	\$1,000.. 170 744
Total fringe benefits .....	\$1,000.. 43 239
Production workers, average for year .....	number.. 2 397
Production workers on March 12 .....	number.. 2 404
Production workers on May 12 .....	number.. 2 405
Production workers on August 12 .....	number.. 2 360
Production workers on November 12 .....	number.. 2 409
Production worker hours .....	1,000.. 4 696
Production worker wages .....	\$1,000.. 73 331
Total cost of materials .....	\$1,000.. 308 748
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 260 456
Resales .....	\$1,000.. 40 817
Purchased fuels .....	\$1,000.. 919
Purchased electricity .....	\$1,000.. 3 230
Contract work .....	\$1,000.. 3 326
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 50 937
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 692 467
Primary products value of shipments .....	\$1,000.. 607 102
Secondary products value of shipments .....	\$1,000.. 13 186
Total miscellaneous receipts .....	\$1,000.. 72 179
Value of resales .....	\$1,000.. 60 565
Contract receipts .....	\$1,000.. 2 584
Other miscellaneous receipts .....	\$1,000.. 9 030
Primary products specialization ratio .....	percent.. 98
Value of primary products shipments made in all industries .....	\$1,000.. 633 275
Value of primary products shipments made in this industry .....	\$1,000.. 607 102
Value of primary products shipments made in other industries .....	\$1,000.. 26 173
Coverage ratio .....	percent.. 96
Value added .....	\$1,000.. 372 072
Total inventories, beginning of year .....	\$1,000.. 114 725
Finished goods inventories .....	\$1,000.. 35 227
Work-in-process inventories .....	\$1,000.. 36 851
Materials and supplies inventories .....	\$1,000.. 42 647
Total inventories, end of year .....	\$1,000.. 102 208
Finished goods inventories .....	\$1,000.. 24 483
Work-in-process inventories .....	\$1,000.. 35 948
Materials and supplies inventories .....	\$1,000.. 41 777
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 223 939
Total capital expenditures (new and used) .....	\$1,000.. 15 122
Buildings and other structures (new and used) .....	\$1,000.. 968
Machinery and equipment (new and used) .....	\$1,000.. 14 154
Automobiles, trucks, etc., for highway use .....	\$1,000.. 558
Computers and peripheral data processing equipment .....	\$1,000.. 1 722
All other expenditures for machinery and equipment .....	\$1,000.. 11 874
Total retirements .....	\$1,000.. 25 808
Gross value of depreciable assets at end of year .....	\$1,000.. 213 253
Depreciation charges during year .....	\$1,000.. 13 042
Total rental payments .....	\$1,000.. 6 740
Buildings and other structures .....	\$1,000.. 4 397
Machinery and equipment .....	\$1,000.. 2 343
Total other expenses <sup>4</sup> .....	\$1,000.. 68 319
Response coverage ratio <sup>5</sup> .....	percent.. 94
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 2 723
Communications services <sup>4</sup> .....	\$1,000.. 2 607
Legal services <sup>4</sup> .....	\$1,000.. 654
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 1 045
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 3 547
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 1 197
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 617
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 609
Taxes and license fees <sup>4</sup> .....	\$1,000.. 2 125
All other expenses <sup>4</sup> .....	\$1,000.. 53 195

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
333997, Scale and balance (except laboratory) manufacturing											
All establishments .....	—	113	4 297	170 744	2 397	4 696	73 331	372 072	308 748	692 467	15 122
Establishments with—											
1 to 4 employees .....	8	31	61	2 197	40	66	1 012	5 835	4 630	10 454	397
5 to 9 employees .....	6	16	110	4 791	69	138	2 458	8 451	8 148	17 358	448
10 to 19 employees .....	1	24	322	14 605	187	361	6 638	35 852	23 722	59 965	945
20 to 49 employees .....	—	21	721	28 163	370	772	10 908	53 395	29 832	83 580	1 403
50 to 99 employees .....	—	9	649	32 046	311	669	11 926	35 895	36 770	83 598	439
100 to 249 employees .....	—	9	1 371	51 072	819	1 462	22 976	151 174	147 798	294 397	D
250 to 499 employees .....	—	3	1 063	37 870	601	1 228	17 413	81 470	57 848	143 115	D
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	37	109	4 225	70	127	1 934	11 229	9 072	20 302	768

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
333997	Scale and balance (except laboratory) manufacturing .....	113	4 297	170 744	2 397	4 696	73 331	372 072	308 748	692 467	15 122
3339971	Vehicle and industrial scales .....	51	2 595	99 838	1 415	2 890	43 760	215 937	159 169	380 571	5 143
3339973	Retail, commercial, household, and mailing scales .....	17	1 338	57 021	778	1 438	23 981	127 971	131 781	265 923	8 998
3339975	Parts, attachments, and accessories for scales and balances, except laboratory .....	8	252	9 804	131	238	3 684	20 282	11 486	31 761	472

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
333997	Scale and balance (except laboratory) manufacturing .....	2002.. N 1997.. N	X X	X X	633 275 619 837
3339971	Vehicle and industrial scales .....	2002.. N 1997.. N	X X	X X	316 506 331 007
33399711	Motor truck and railroad track scales .....	2002.. N 1997.. N	X X	X X	73 702 81 896
3339971101	Motor truck scales .....	2002.. 17 1997.. 22	X X	X X	64 482 75 571
3339971103	Railroad track scales .....	2002.. 7 1997.. 8	X X	X X	9 220 6 325
33399712	Industrial scales .....	2002.. N 1997.. N	X X	X X	131 867 114 673
3339971205	Industrial bench and portable scales .....	2002.. 10 1997.. 12	X X	X X	11 875 20 293
3339971207	Industrial floor scales, dormant, pitless .....	2002.. 17 1997.. 16	X X	X X	23 106 28 325
3339971209	Automatic checkweigher and bulkweigher scales .....	2002.. 13 1997.. 14	X X	X X	46 010 49 811
3339971211	Industrial over-under (predetermined weight) scales .....	2002.. 3 1997.. 4	X X	X X	1 115 3 524
3339971215	Industrial counting scales .....	2002.. 8 1997.. 7	X X	X X	49 761 12 720
33399713	Miscellaneous industrial scales (crane, suspension, tank, hopper, force measuring devices, bulk conveyor, etc.) .....	2002.. N 1997.. N	X X	X X	109 500 134 438
3339971313	Miscellaneous industrial scales (crane, suspension, tank, hopper, force measuring devices, bulk conveyor, etc.) .....	2002.. 32 1997.. 33	X X	X X	109 500 134 438
3339971Y	Vehicle and industrial scales, nsk .....	2002.. N 1997.. N	X X	X X	1 437 —
3339971YVV	Vehicle and industrial scales, nsk .....	2002.. N 1997.. N	X X	X X	1 437 —
3339973	Retail, commercial, household, and mailing scales .....	2002.. N 1997.. N	X X	X X	195 336 154 067
33399731	Retail, commercial, household, and mailing scales .....	2002.. N 1997.. N	X X	X X	195 336 154 067
3339973102	Retail and commercial scales, including delicatessen, checkstand, and automatic prepack .....	2002.. 5 1997.. N	X X	X X	D N
3339973105	Household and person-weighing scales (including bathroom, coin-operated, free weighing, kitchen, and baby scales) .....	2002.. 7 1997.. 7	X X	X X	48 960 62 903
3339973107	Mailing and parcel post scales (including handheld scales) .....	2002.. 6 1997.. 7	X X	X X	57 216 D
3339973109	Balances with or without weights (of all sensitivities), except laboratory .....	2002.. 4 1997.. 3	X X	X X	D D
3339973Y	Retail, commercial, household, and mailing scales, nsk .....	2002.. N 1997.. N	X X	X X	— —
3339973YVV	Retail, commercial, household, and mailing scales, nsk .....	2002.. N 1997.. N	X X	X X	— —
3339975	Parts, attachments, and accessories for scales and balances, except laboratory .....	2002.. N 1997.. N	X X	X X	98 878 102 781
33399751	Parts, attachments, and accessories for scales and balances, except laboratory .....	2002.. N 1997.. N	X X	X X	98 878 102 781
3339975101	Printers for scales and balances, except laboratory (sold separately) .....	2002.. 4 1997.. 4	X X	X X	2 966 4 562
3339975103	Digital indicators for scales and balances, except laboratory (sold separately) .....	2002.. 9 1997.. 6	X X	X X	30 689 29 329
3339975105	Other accessories and attachments for scales and balances, except laboratory (sold separately) .....	2002.. 5 1997.. 6	X X	X X	12 627 26 864
3339975107	Parts for scales and balances, except laboratory (sold for assembly elsewhere, repair, service, etc.) .....	2002.. 17 1997.. 24	X X	X X	52 596 42 026
3339975Y	Parts, attachments, and accessories for scales and balances, except laboratory, nsk .....	2002.. N 1997.. N	X X	X X	— —
3339975YVV	Parts, attachments, and accessories for scales and balances, except laboratory, nsk .....	2002.. N 1997.. N	X X	X X	— —
333997W	Scale and balance (except laboratory) manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	22 555 31 982
333997WY	Scale and balance (except laboratory) manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	22 555 31 982
333997WYWW	Scale and balance (except laboratory) manufacturing, nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	11 342 16 919
333997WYWY	Scale and balance (except laboratory) manufacturing, nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	11 213 15 063

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3339971	Vehicle and industrial scales	
	United States..... 2002..	316 506
	..... 1997..	331 007
	California ..... 2002..	15 500
	..... 1997..	19 865
	Illinois ..... 2002..	5 228
	..... 1997..	8 434
3339973	Retail, commercial, household, and mailing scales	
	United States..... 2002..	195 336
	..... 1997..	154 067
	Illinois ..... 2002..	43 836
	..... 1997..	N
3339975	Parts, attachments, and accessories for scales and balances, except laboratory	
	United States..... 2002..	98 878
	..... 1997..	102 781

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.



**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
333997	Scale and balance (except laboratory) manufacturing		
00900001	Total materials .....2002..	X	260 456
	.....1997..	X	287 949
332000A9	Sheet metal products (excluding stampings) .....2002..	X	13 767
	.....1997..	X	13 149
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	3 678
	.....1997..	X	5 156
33200087	All other fabricated metal products (excluding forgings, castings, sheet metal products, bolts, nuts, screws, rivets, washers, and screw machine products) .....2002..	X	6 164
	.....1997..	X	D
33210000	Forgings .....2002..	X	D
	.....1997..	X	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	5 238
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....2002..	X	1 535
	.....1997..	X	1 937
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	13 317
	.....1997..	X	24 917
33120019	Steel structural shapes and sheet piling (excluding castings, forgings, and fabricated metal products) .....2002..	X	3 911
	.....1997..	X	8 291
33120089	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	614
	.....1997..	X	10 621
331000AJ	Nonferrous metal shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	D
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	N
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	N
33441300	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits), for electronic circuitry .....2002..	X	10 671
	.....1997..	X	20 727
001900B6	Resistors, capacitors, transformers, transducers, and other electronic-type components .....2002..	X	18 385
	.....1997..	X	46 701
33441200	Printed circuit boards (without inserted components) for electronic circuitry .....2002..	X	10 097
	.....1997..	X	N
33531201	Electric motors and generators .....2002..	X	2 965
	.....1997..	X	N
33531415	Industrial controls .....2002..	X	1 435
	.....1997..	X	N
33411905	Purchased peripheral printers .....2002..	X	2 435
	.....1997..	X	N
331000A7	Insulated wire and cable (including magnet wire) .....2002..	X	3 865
	.....1997..	X	N
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices .....2002..	X	D
	.....1997..	X	6 578
001900B1	Electrical transmission, distribution, and control equipment .....2002..	X	2 752
	.....1997..	X	4 226
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	3 373
	.....1997..	X	3 962
33411903	Purchased peripheral input devices (including keyboards, mouse devices, track balls, etc.) .....2002..	X	1 209
	.....1997..	X	N
33441900	Liquid crystal display screens (LCD), including LED .....2002..	X	5 192
	.....1997..	X	N
32610011	Fabricated plastics products (excluding gaskets) .....2002..	X	5 745
	.....1997..	X	6 258
32600011	Fabricated rubber products (excluding gaskets) .....2002..	X	569
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	73 383
	.....1997..	X	93 925
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	56 977
	.....1997..	X	19 191

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.